

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings of the claims in the application. The status of each claim is indicated within parentheses.

WHAT IS CLAIMED IS:

1. – 46. (Canceled)
47. (New) A method of generating a random number associated with a user initiated interruption of a video sequence, comprising:
sequentially presenting to a user a plurality of group-of-picture ("GOP") structures collectively providing a first video sequence, each group-of-picture structure having a predetermined seed component and a navigation component;
in response to a user initiated interruption during the presentation of a GOP structure, receiving the seed component and the navigation component from the interrupted GOP structure;
providing a random number based at least in part on the seed component; and
linking or jumping to a second video sequence identified by the navigational component.
48. (New) The method of claim 47, wherein the seed component is combined with a system generated number to provide the random number.
49. (New) The method of claim 47, wherein each GOP structure has as associated active button, each active button having an associated button command that is performed in response to a navigation engine detecting invocation of a respective active button of a currently active GOP structure, invocation of the active button directing a corresponding button command to provide the seed component and the navigation component.
50. (New) The method of claim 47, wherein a time varying nature of the user initiated responses provides a human based random element to overcome defective implementations of a RND function and/or defective register counting.
51. (New) The method of claim 47, wherein the random number seeds a random number generator.
52. (New) The method of claim 47, wherein the presentation of the plurality of GOP structures is transparent, the user perceiving the first video sequence unaware of the transition from GOP structure to GOP structure and each structures associated seed component.
53. (New) The method of claim 47, wherein the first video sequence is repeated until the user interruption is initiated.

54. (New) The method of claim 47, wherein the method is stored on a computer-readable medium as a computer program, which when executed by a computer will perform the stems of generating a random number associated with a user initiated interruption of a video sequence.
55. (New) A computing device configured to perform the method of generating a random number associated with a user initiated interruption of a video sequence as presented in claim 1.
56. (New) A computer-readable medium on which is stored a computer program for generating a random number associated with a user initiated interruption of a video sequence, the computer program comprising instructions which when executed by a computer system perform the steps of:
sequentially presenting to a user a plurality of group-of-picture ("GOP") structures collectively providing a first video sequence, each group-of-picture structure having a predetermined seed component and a navigation component;
in response to a user initiated interruption during the presentation of a GOP structure, receiving the seed component and the navigation component from the interrupted GOP structure;
providing a random number based at least in part on the seed component; and
linking or jumping to a second video sequence identified by the navigational component.
57. (New) The computer-readable medium of claim 56, wherein the seed component is combined with a system generated number to provide the random number.
58. (New) The computer-readable medium of claim 56, wherein each GOP structure has as associated active button, each active button having an associated button command that is performed in response to a navigation engine detecting invocation of a respective active button of a currently active GOP structure, invocation of the active button directing a corresponding button command to provide the seed component and the navigation component.
59. (New) The computer-readable medium of claim 56, wherein a time varying nature of the user initiated responses provides a human based random element to overcome defective implementations of a RND function and/or defective register counting.
60. (New) The computer-readable medium of claim 56, wherein the random number seeds a random number generator.

61. (New) The computer-readable medium of claim 56, wherein the presentation of the plurality of GOP structures is transparent, the user perceiving the first video sequence unaware of the transition from GOP structure to GOP structure and each structures associated seed component.
62. (New) The computer-readable medium of claim 56, wherein the first video sequence is repeated until the user interruption is initiated.
63. (New) The computer-readable medium of claim 56, wherein in a first instance the seed component of each GOP structure is a unique value, and in a second instance the seed component of each GOP structure is a navigation command to a location providing a unique value.
64. (New) The computer-readable medium of claim 56, wherein the navigation component is the same for all GOP structures.
65. (New) The computer-readable medium of claim 56, wherein the computer readable medium is a DVD.
66. (New) An audiovisual product recorded on a recording medium, the audiovisual product structured and arranged to provide a random number associated with a user initiated interruption of a video sequence when read by a DVD reading system, the product comprising:
a data structure recorded on the recording medium comprising data defining;
 at least a first video sequence provided by a sequential plurality of group-of-picture ("GOP") structures, each GOP structure having a predetermined seed component and a navigation component;
 at least one second video sequence; and
 executable code which when executed by a playback device will present the first video sequence, and in response to a user initiated interruption during the presentation of a GOP structure receiving the seed component and navigation component, the seed component used at least in part to provide a random number, the navigation component used by a navigation engine to link or jump to a determined second video sequence.
67. (New) The audiovisual product of claim 66, wherein the product is a DVD and the playback device is a DVD player.
68. (New) The audiovisual product of claim 66, wherein the seed component is combined with a system generated number to provide the random number.

69. (New) The audiovisual product of claim 66, wherein each GOP structure has as associated active button, each active button having an associated button command that is performed in response to a navigation engine detecting invocation of a respective active button of a currently active GOP structure, invocation of the active button directing a corresponding button command to provide the seed component and the navigation component.
70. (New) The audiovisual product of claim 66, wherein a time varying nature of the user initiated responses provides a human based random element to overcome defective implementations of a RND function and/or defective register counting.
71. (New) The audiovisual product of claim 66, wherein the random number seeds a random number generator.
72. (New) The audiovisual product of claim 66, wherein the presentation of the plurality of GOP structures is transparent, the user perceiving the first video sequence unaware of the transition from GOP structure to GOP structure and each structures associated seed component.
73. (New) The audiovisual product of claim 66, wherein the first video sequence is repeated until the user interruption is initiated.
74. (New) The audiovisual product of claim 66, wherein in a first instance the seed component of each GOP structure is a unique value, and in a second instance the seed component of each GOP structure is a navigation command to a location providing a unique value.
75. (New) The audiovisual product of claim 66, wherein the navigation component is the same for all GOP structures.
76. (New) A DVD product structured and arranged to provide a random number associated with a user initiated interruption of a video sequence when read by a DVD reading system, comprising:
a data structure recorded to the DVD comprising data defining;
 at least a first video sequence provided by a sequential plurality of group-of-picture ("GOP") structures each GOP structure associated with a respective command;
 at least one second video sequence; and
 executable code which when executed by a DVD player will present the first video sequence, and in response to a user initiated interruption during the presentation of a GOP structure, execute the respective command, the executed command providing a seed component and a navigation component, the seed component

used at least in part to provide a random number, the navigation component used by a navigation engine to link or jump to a determined second video sequence.

- 77. (New) The DVD product of claim 76, wherein the seed component is combined with a system generated number to provide the random number.
- 78. (New) The DVD product of claim 76, wherein each GOP structure has as associated active button, each active button having an associated button command that is performed in response to a navigation engine detecting invocation of a respective active button of a currently active GOP structure, invocation of the active button directing a corresponding button command to provide the seed component and the navigation component.
- 79. (New) The DVD product of claim 76, wherein a time varying nature of the user initiated responses provides a human based random element to overcome defective implementations of a RND function and/or defective register counting.
- 80. (New) The audiovisual product of claim 76, wherein the random number seeds a random number generator.
- 81. (New) The DVD product of claim 76, wherein the presentation of the plurality of GOP structures is transparent, the user perceiving the first video sequence unaware of the transition from GOP structure to GOP structure and each structures associated seed component.
- 82. (New) The DVD product of claim 76, wherein the first video sequence is repeated until the user interruption is initiated.
- 83. (New) The DVD product of claim 76, wherein in a first instance the seed component of each GOP structure is a unique value, and in a second instance the
- 84. (New) The DVD product of claim 76, wherein the seed component of each GOP structure is a navigation command to a location providing a unique value.
- 85. (New) The DVD product of claim 76, wherein the navigation component is the same for all GOP structures.